From the INTERNATIONAL SEARCHING AUTHORITY

To: HARLEY G. BLOSSER SENNIGER, POWERS, LEAVITT & ROEDEL ONE METROPOLITAN SQUARE, 16TH FLOOR ST. LOUIS, MISSOURI 63102 UNITED STATES OF AMERICA	PCT NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION			
	(PCT Rule 44.1)			
	Date of Mailing (day/month/year) 03 OCT 2000			
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below			
JMA2978	, , , , , , , , , , , , , , , , , , , ,			
International application No. PCT/US00/17955	International filing date (day/month/year) 29 JUNE 2000			
	29 JUNE 2000			
Applicant MARCHOSKY ALEXANDER J.				
1. X The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19:				
The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.				
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on				
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect is transmitted herewith	I search report will be established and that the declaration under			
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
	has been transmitted to the International Bureau together with the hathe protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the fol	llowing:			
If the applicant wishes to avoid or postpone publication	ational application will be published by the International Bureau. 1, a notice of withdrawal of the international application, or of the provided in rules 90 bis 1 and 90 bis 3, respectively, before the nal publication.			
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
	nust perform the prescribed acts for entry into the national phase led in the demand or in a later election within 19 months from the not bound by Chapter II.			
Name and mailing address of the ISA/US	Authorized officer			
Commissioner of Patents and Trademarks Box PCT	L. BLAINE TANKTOND LE LIND FO			
Washington, D.C. 20231 Facsimile No. (703) 305-3230	Telephone No. (703) 308-0196			

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (July 1998) *

(See notes on accompanying speet)

From the INTERNATIONAL SEARCHING AUTHORITY

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When? The time limit for filing such amendm	ents is normally 2 months from the date of transmittal of the r more details, see the notes on the accompanying sheet.			
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on	the accompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the following:				
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.				

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

Telephone No. (703) 308-0196

(See notes on accompanying speet)

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Form PCT/ISA/220 (July 1998) +

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

		T				
Applicant's or ap JMA2978	gent's file reference	FOR FURTHER See Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below		mational Search Report applicable, item 5 below.		
International app	rnational application No. International filing date (day/month/year) (Earliest) Priority		(Earliest) Priority I	Date (day/month/year)		
PCT/US00/179	55	29 JUNE 2000 29 JUNE 1999				
Applicant MARCHOSKY ALEXANDER J.						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of 2 sheets.						
		s of a total of sheets copy of each prior art doc		report.		
1. Basis of the	report					
	-	he international search was	carried out on the ha	isis of the internation	al application in the	
a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).						
	•	and/or amino acid sequen	ce disclosed in the ir	nternational applicatio	on the international search	
was ca	 b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing: contained in the international application in written form. 					
conta	med in the internationa	ai application in written to	rm.			
		national application in con	•	n.		
furnis	furnished subsequently to this Authority in written form.					
		nis Authority in computer				
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
	atement that the informa	information recorded in computer readable form is identical to the written sequence listing has been				
2. Certa	in claims were found	d unsearchable (See Box I).				
3. Unity	Unity of invention is lacking (See Box II).					
4. With regard	o the title,					
X the te	the text is approved as submitted by the applicant.					
<u> </u>	the text has been established by this Authority to read as follows:					
5. With regard	o the abstract,					
X the te	xt is approved as subn	nitted by the applicant.				
Box I	II. The applicant may,	1, according to Rule 38.2() within one month from the tents to this Authority.				
6. The figure of	6. The figure of the drawings to be published with the abstract is Figure No.					
as su	ggested by the applicat	nt.		$\overline{\mathbf{x}}$	None of the figures.	
becau	se the applicant failed	to suggest a figure.		۵	time of the ligures.	
becau	se this figure better ch	naracterizes the invention.				

	<u></u>				
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :C12N 5/00; A61F 13/00 US CL :424/422; 514/2; 435/395, 397					
According to International Patent Classification (IPC) or to both national classification and IPC					
	.DS SEARCHED ocumentation searched (classification system follow	ed by classification symbols			
	424/422; 514/2; 435/395, 397	er by chaomication symbols,			
Documenta	tion searched other than minimum documentation to th	e extent that such documents are included	in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST					
c. Doc	UMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
A	US 4,440,750 A (GLOWACKI et a document.	l) 03 April 1984, see netire	1-64N		
A	US 4,837,379 A (WEINBERG) 06 Jun	ne 1989, see entire document.	1-64		
			į		
Furth	er documents are listed in the continuation of Box C	See patent family annex.			
"A" doc	cial categories of cited documents ument defining the general state of the art which is not considered	*T* later document published after the inte date and not in conflict with the appli the principle or theory underlying the	cation but cited to understand		
"E" earl	ne of particular relevance her document published on or after the international filing date	"X" document of particular relevance, the considered novel or cannot be consider	claimed aivention cannot be		
cite	ument which may throw doubts on priority claim(s) or which is d to establish the publication date of another citation or other cial reason (as specified)	"Y" document of particular relevance, the	claimed invention cannot be		
mea	ument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive combined with one or more other such being obvious to a person skilled in the	documents, such combination		
the	ument published prior to the international filing date but later than priority date claimed	"&" document member of the same patent			
	Date of the actual completion of the international search 14 AUGUST 2000 Date of mailing of the international search report				
Name and m	Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Authorized officer.				
Box PCT Washington, D.C. 20231		L. BLAINE LANKFORD			
Facsimile No. (703) 305-3230 Telephone No. (703) 308-0196					
orm PCT/IS	SA/210 (second sheet) (July 1998)*		V		

Form PCT/ISA/210 (second sheet) (July 1998) *

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Precent Cooperation Trenty and of the Reguladens and the Administrative Instructions under that Trenty. In case of discrepancy between these Notes and those requirements, the inter-are applicable. For more detailed information, see also the PCT Applicant's Ouide, a publication of WIPO.

In these Notes, "Article", "Rich" and "Section" refer to the provisions of the PCT, the PCT Republic, and the PCT Administration in the PCT Administ

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, other having received the interestional exacts report, one opportunity to annual the claims of the interestional application. It should havever be complicated that, other off parts of the interestional application (claims, description and develops) may be annualed during the interestional profitmency commission protection, there is youndly no each to the opposite part the claims under Anticle 19 except where, e.g., the applicant womb the interest he published for the property of the claims better interestional publication. Furthermore, it should be complicated that provisional protection is evaluated in scene page.

What parts of the international application may be amended?

The claims only.

The description and the derivings may only be amended during informational pushintency commission under Chapter II.

When ? White 2 courts from the date of transmitted of the intermediated courts present or \$6 paperts from the principle date, which reported on State capitals into. It should be noted, begivered, that the association will be considered as forting from received on the St. they are received by the intermediated Brown other the explaints of the applicable time State before the completion of the technical proposaless for intermediated publication (State M.1).

Where not to the the amendments?

The expendences may only be filed with the interactional Bureau and and with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international prelimit: sy examination has been," a filed, see below.

How? Ether by concelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as Glod.

A replacement short must be submitted for each short of the claims which, on account of an amendment or exceedings, differs from the short originally filed.

All the claims appearing on a replacement about must be numbered in Arabic numerals. Where a claim is cascolled, no remandering of the other claims is required. In all cases where claims are renumbered, they must be summibered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the emended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must indicate the differences between the claims as filled and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

NOTES TO FORM PCT/ISA/220

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What parts of the international application may be amouded?

The claims only.

The description and the derwings may only be amended during intimational pediminary commination under Chapter II.

When ? While I countle from the date of transmitted of the international counts report or 16 peoples from the principle date, which reports not find copies better. It should be match, beyoness, that the countering will be equal to all principles then received on time if they are present by the international Dorson other the explosion of the technical proportions for international publication (high M.1).

Where not to the the emendments?

The emendments may only be filed with the international Bureau and any with the receiving Office or the International Searching Authority (Bule 46.2).

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